

STUDIES IN THE SENECEONEAE (ASTERACEAE). VI.

THE GENUS ARNOGLOSSUM.

Harold Robinson
Smithsonian Institution, Washington, D.C. 20560.

A previous paper of this series (Robinson & Brettell, 1973) surveyed many of the "Cacalioid" genera of North America and Asia and recognized the eastern North American genus Mesadenia Raf. as distinct. Unfortunately, at that time the existence of an older generic name was overlooked. Arnoglossum, also named by Rafinesque at a much earlier date (1817), has a complete generic description and a description of the single included species, A. plantagineum Raf., in the original publication. Rafinesque was the first to revive this ancient name, though admittedly in a different sense from the original. Rafinesque's use of the name is in no way invalidated by S.F.Gray's subsequent use of the name in its more ancient sense for members of the Plantaginaceae. The latter use provides only one complication in preoccupying the combination A. lanceolatum.

The number of species recognized in the genus varies with different authors. Vuilleumier (1969) discusses the group in some detail and mentions only the following seven species. The necessary new combinations are provided here.

Arnoglossum atriplicifolium (L.) H.Robinson, comb. nov. Cacalia atriplicifolia L., Sp. Pl. 835. 1753.

Arnoglossum diversifolium (Torr. & Gray) H.Robinson, comb. nov. Cacalia diversifolia Torr. & Gray, Fl. N.Am. 2: 435. 1843.

Arnoglossum floridanum (Gray) H.Robinson, comb. nov. Cacalia floridana Gray, Proc. Am. Acad. 19: 52. 1883.

Arnoglossum muehlenbergii (Sch.Bip.) H.Robinson, comb. nov. Senecio muehlenbergii Sch.Bip., Flora 28: 499. 1845.
Cacalia reniformis Mühl. in Willd., non C. reniformis Lam.

Arnoglossum ovatum (Walt.) H.Robinson, comb. nov. Cacalia ovata Walt., Fl. Carol. 196. 1788. Cacalia lanceolata Nutt., Mesadenia elliottii Harper.

Arnoglossum plantagineum Raf., Fl. Ludov. 65. 1817. including ? Cacalia tuberosa Nutt., Gen. N.Am. Pl. 2: 138. 1818.

Arnoglossum sulcatum (Fernald) H. Robinson, comb. nov. Cacalia sulcata Fernald in Coult., Bot. Gaz. 33: 157. 1902.

Literature Cited

Rafinesque, C. S. 1817. Florula Ludoviciana.

Robinson, H. and R. D. Brettell 1973. Studies in the Senecioneae (Asteraceae). IV. The genera Mesadenia, Syneilesis, Miricacalia, Koyamacalia and Sinacalia. Phytologia 27: 265-276.

Vuilleumier, B. S. 1969. The genera of Senecioneae in the Southeastern United States. Jour. Arnold Arb. 50: 104-123.